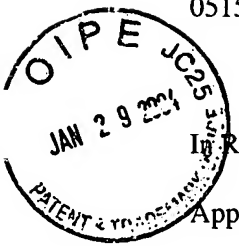


IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In Re U.S. Patent Application of: )

Applicant(s): Suomi et al. )

Serial No.: 10/656,517 )

Conf. No.: 8034 )

Filed: September 5, 2003 )

For: CURCUIT FOR DRIVING A )  
 STEPPER MOTOR AND METHOD )  
 OF CONTROLLING A STEPPER )  
 MOTOR DRIVER )

Art Unit: 2837 )

Examiner: )

I hereby certify that this paper is being deposited with the  
 United States Postal Service as FIRST-CLASS mail in an  
 envelope addressed to: Commissioner for Patents, P.O. Box  
 1450, Alexandria, VA 22313-1450, on this date.

January 26, 2004

Date

*Josh C. Snider*  
 Attorney for Applicants  
 Registration No. 47,954

INFORMATION DISCLOSURE STATEMENT

Commissioner for Patents  
 P.O. Box 1450  
 Alexandria, VA 22313-1450

Dear Sir:

This IDS is submitted under 37 C.F.R. 1.97(b) within either of the following time periods, whichever occurs last:

- (a) within three months of either the filing date of the national application or the date of entry into the national stage; or
- (b) before the mailing date of first office action on the merits (i.e., not including actions such as restriction requirements).

Applicant(s) submit herewith Form PTO-1449 (Information Disclosure Citation) together with copies of patents, publications or other information of which applicant(s) are aware, which applicant(s) believe may be material to the examination of this application and for which there may be a duty to disclose in accordance with 37 C.F.R. 1.56. Applicant(s) respectfully submit that the citation of any reference on Form PTO-1449 does not constitute an admission that the reference qualifies as prior art.

It is requested that the information disclosed on the enclosed Form PTO-1449 be made of record in this application.

The Commissioner is hereby authorized to charge any additional fees which may be required to this application under 37 C.F.R. 1.16-1.17, or to credit any overpayment, to Deposit Account No. 07-2069. A duplicate copy of this sheet is enclosed.

**Customer Number 24978**  
 January 26, 2004  
 300 South Wacker Drive – Suite 2500  
 Chicago, Illinois 60606  
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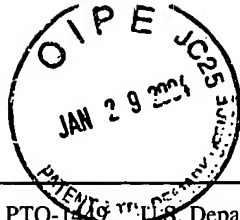
Respectfully submitted,

GREER, BURNS &amp; CRAIN, LTD.

By: *Josh C. Snider*

Josh C. Snider

Registration No. 47,954

Form PTO-1449 U.S. Department of Commerce  
(Rev. 8-88) Patent and Trademark Office

Attorney Docket No.: 0515.67242

Serial No.: 10/656,517

INFORMATION DISCLOSURE CITATION  
(Use several sheets if necessary)

Applicant: Suomi et al.

Filing Date: September 5, 2003

Group: 2837

## U.S. PATENT DOCUMENTS

Examiner Initial*	Document Number	Date	Name	Class	Subclass	Filing Date If Appropriate
	4,087,732	May 2, 1978	Pritchard			
	4,581,565	April 8, 1986	Van Pelt et al.			
	4,931,712	June 5, 1990	DiGiulio et al.			
	5,225,756	July 6, 1993	Coutu			
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	5,450,521	Sept. 12, 1995	Redlich			

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						Yes	No

## OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, Etc.)

	SGS-Thomson Microelectronics, "DMOS Full Bridge Driver," descriptions and diagrams, July 1997.
	Whitis, Mark, "Basic Stepper Motor Driver Schematic," 1999.
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Examiner

Date Considered

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Initial if citation considered, whether or not citation is in conformance with MPEP 609; Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

Form PTO-1449 U.S. Department of Commerce  
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## FOREIGN PATENT DOCUMENTS

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						Yes	No

## OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, Etc.)

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Examiner

Date Considered

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